

PI 558549 to 558701-continued

- PI 558579 **origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 63011M. **pedigree:** (Late Grape-Fuggle sdlg) x (Early Green-unknown sdlg). **other id:** USDA 63011M. **remarks:** Excellent vigor, early maturity, very good spring growth. Perennial. Breeding Material. Plant.
- PI 558580 **origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 19046M. **pedigree:** Late Cluster seedling x Fuggle seedling. **other id:** USDA 19046M. **remarks:** Has produced progeny with zero alpha in their lupulin. Perennial. Breeding Material. Plant.
- PI 558581 **origin:** United Kingdom. **historical origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 64035M. **pedigree:** German female 7K 491 x open pollinated. **other id:** GP-16. **source:** Crop Sci. 25(5):889 1985. **group:** CSR-HOP. **other id:** USDA 64035M. **remarks:** Brother selection to USDA 64032M, released as valuable hop germplasm by the USDA in March 1984. Perennial. Breeding Material. Plant.
- PI 558582 **origin:** United Kingdom. **historical origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 64034M Zattler seedling. **pedigree:** German female 7K 491 x open pollinated. **other id:** USDA 64034M. **remarks:** Brother selection to USDA 64032M. Perennial. Breeding Material. Plant.
- PI 558583 **origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 21111M. **pedigree:** Bullion x Zattler seedling. **other id:** USDA 21111M. **remarks:** Intermediate/resistant under field conditions. Perennial. Breeding Material. Plant.
- PI 558584 **origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 21060M. **pedigree:** (Late Grape sd x Fuggle-Fuggle sd) x (Early Gr. x unk. sd). **other id:** USDA 21060M. **remarks:** This clone is a brother of USDA 21059M. Perennial. Breeding Material. Plant.